**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Applied math review: 2.1 & 2.2**

1. Johnny gets paid semi-monthly. He earns $2083 semi-monthly. **We will want everything in this problem to be SEMI-MONTHLY.** He is married, with 3 dependents (4 allowances for federal)
   1. First let’s do Federal taxes. What is his weekly pay? (go up to annual, then down to weekly)
   2. How much gets taken out each WEEK for FEDERAL TAXES (p. 788-791 in book)
   3. Now, how much gets taken out each paycheck (SEMI-MONTHLY) for FEDERAL TAXES (using your answer from b, which is weekly. Convert this into annual, then to semi-monthly).
   4. Now let’s do State taxes. How much does he earn annually?
   5. Taking out the exemptions, what is his taxable wages? (remember, married is $3000, single is $1500, and dependents are $700)
   6. The state tax rate is 3.75%. How much is taken out ANNUALLY for state taxes?
   7. Using your answer from f, how much is taken out each paycheck (SEMI-MONTHLY) for state taxes?
   8. How much is taken out each paycheck total for State and Federal taxes?
   9. How much does Johnny take home after taxes each paycheck?
2. Carrie is single and claims 2 allowances (1 dependent). She earns $350.13 ***WEEKLY***.
   1. How much is taken out of her **weekly** paycheck for Federal Income Tax?
   2. How much is taken out of her **weekly** paycheck for State Tax (the tax rate is 3.5%)? *(remember, calculate annual pay, take out exemptions, calculate tax, then change tax to WEEKLY)*
   3. What is the total amount of tax that she pays each paycheck? (both State and Federal)
3. Lynne is married and claims 5 allowances (4 dependents). She makes $1400 ***SEMI-MONTHLY***.
   1. How much is taken out of her **semi-monthly** paycheck for Federal Income Tax? *(calculate weekly salary for Federal tax, then take the weekly federal tax and convert it into semi-monthly)*
   2. How much is taken out of her **semi-monthly** paycheck for State Tax (the tax rate is 2.6%)? *(calculate annual pay, take out exemptions, calculate tax, then change tax to SEMI-MONTHLY)*
   3. What is the total amount of tax that she pays each paycheck? (both State and Federal)